Ham-Digital Digest   Sun, 26 Sep 93   Volume 93 : Issue   54

Today's Topics:
                         9600 baud radio setup
             Icom IC-25a and Tandy HTX-202 to 9600 baud ?
                    Responsibility for BBS messages

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: Sat, 25 Sep 1993 14:00:26 GMT
From: swrinde!gatech!kd4nc!ke4zv!gary@network.ucsd.edu
Subject: 9600 baud radio setup
To: ham-digital@ucsd.edu

In article <199309241914.AA206899@freenet.scri.fsu.edu> bmm1@freenet.scri.fsu.edu
(Bruce M. Marshall) writes:
> In-Reply-To: <9309241331.AA18552@eagle.aud.alcatel.com>; from "Tom Mcdermott" at
Sep 24, 93 8:31 a
> >
> > Finally, a subtle point, some radio use low-
> > side injection on the RX, others use high-side injection. Also, in the
> > FM world, manufacturers don't care about the polarity of the discriminator -
> > that is whether the disc produces a high-output-voltage for a higher input
> > frequency, or whether it produces a lower-output-voltage for a higher input
> > frequency. The upshot of this is that the received signal may be 'upside
> > down'. You will have to invert the logic level if it is upside-down !!
> > (Do this at the receiver, or else you will be incompatible with everyone
else).

A comment on what Tom said. For RTTY, his comments are correct,
but for packet, we don't care which is mark and which is space.
Only the transitions matter. Packet uses synchronous NRZI with
bit stuffing. We're only interested in the zero crossings in
order to recover clock and data. A transition during a bit time
means '1' and no transition means '0'. So upside down signals
are as good as right side up signals for recovering the zero
crossings. That's why we have to do bit stuffing BTW, otherwise
a long string of '0's would mean no transitions and the clock
would lose synchronization.

Gary
--
Gary Coffman KE4ZV |"If 10% is good enough | gatech!wa4mei!ke4zv!gary
Destructive Testing Systems | for Jesus, it's good | uunet!rsiatl!ke4zv!gary
534 Shannon Way | enough for Uncle Sam."| emory!kd4nc!ke4zv!gary
Lawrenceville, GA 30244 | -Ray Stevens |

Date: 26 Sep 1993 10:34:05 GMT
From: swrinde!elroy.jpl.nasa.gov!usc!howland.reston.ans.net!usenet.ins.cwru.edu!
neoucom.edu!news.ysu.edu!yfn.ysu.edu!ae674@network.ucsd.edu
Subject: Icom IC-25a and Tandy HTX-202 to 9600 baud ?
To: ham-digital@ucsd.edu

>Has anyone modified an Icom IC-25a and/or a Tandy HTX-202 to run 9600 baud
>packet?
>What were the changes and how well did it work.

    I have an HTX-202 and a friend of mine has a Icom IC-25. I'd love
to be able to use my HTX-202 for 9600 baud but I think the receive is
way to narrow. If anybody has the mods for either one of these please
post them or e-mail me.

Thanks,

Reid Savage N9SYW   ae674@yfn.ysu.edu (my virtual Internet account)
-it doesn't matter where on the Internet it is just as long
can get there some how

Date: 26 Sep 1993 08:44:11 GMT
From: swrinde!elroy.jpl.nasa.gov!usc!howland.reston.ans.net!usenet.ins.cwru.edu!
neoucom.edu!news.ysu.edu!yfn.ysu.edu!ae674@network.ucsd.edu
Subject: Responsibility for BBS messages

To: ham-digital@ucsd.edu

I guess we all have to have a 'BBS' then. I assume the ARRL/FCC were
thinking about straight AX-25???